

FIGURES 1A, 1B

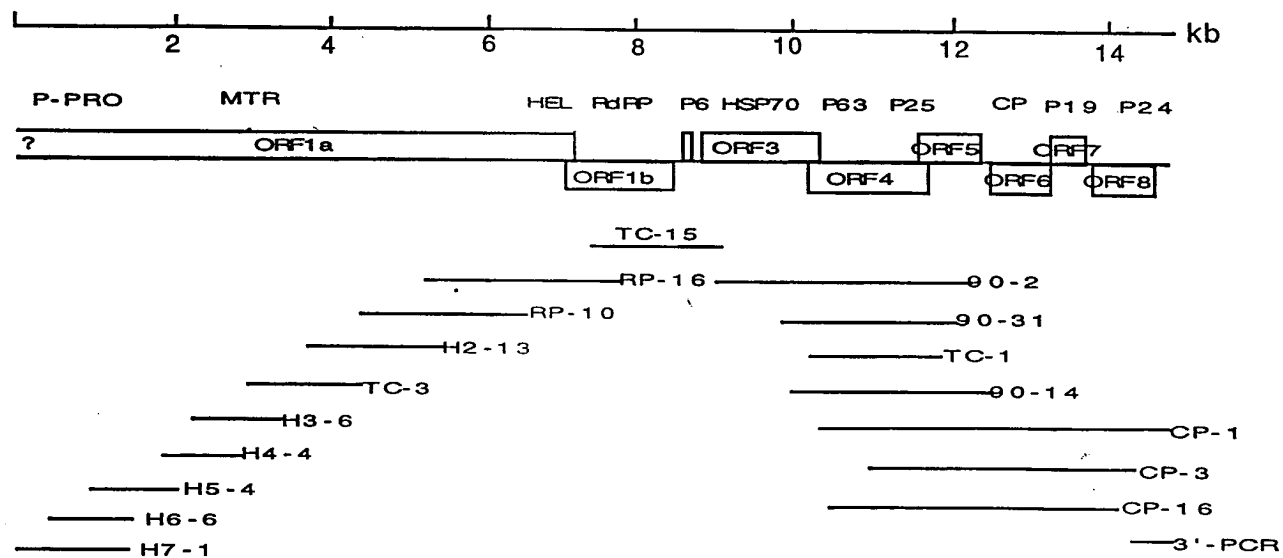


FIGURE 2

a

|                         |   |
|-------------------------|---|
| GLRaV2-PRO <sub>1</sub> | SRVIYPDGRCYLAHMYLCAFYCRPFRESDYALGMWPTVARLRACVEKNFGVEACGIALRGYITSRNVYHCDYDSAYVKYFRNLSGRIG/G    |
| GLRaV2-PRO <sub>2</sub> | TRIRYPNGFCYLAHCRYACAFLLRGFDPKRFDIGAFPTAAKLNRNMVSELGERSLGLNLYGAYTSRGVHFHCDYDAKFIDKDLRLMSAVIA/G |
| BYV-P-PRO               | LQYRPGEGLCYLAHAALCCALQKRTFREEDFFVGMYPYTFVFAKRLTEKLGPSALKHPVRGRQVSRSLFHCDVASAFSSPFYSLPRFIG/G   |
| Consensus               | .....G.CYLAH....CA...R.F.....G..PT.....G.....G...SR...HCD.....I./G                            |

b

|            |  |               |               |              |
|------------|--|---------------|---------------|--------------|
|            |  | <u>MT I</u>   | <u>MT Ia</u>  | <u>MT II</u> |
| GLRaV2-MTR | MSEATQNSLTRFYYPQFELKFSHSSSDHPAAAAASRLLENETLVRLCGNSVSDIGGCPLFHLHSTQRRVHVCRPVLGDGKAQRRVVRDLQ |               |               |              |
| BYV-MTR    | MGEAVQSGLTRAYPQFNLSFTHSVYSDHPAAAGSRLLENETLMAKSSFSDIGGCPLPHIK-RGSTDYHVCRPIYDMKDAQRRVSRELQ   |               |               |              |
|            |  | <u>MT IIa</u> | <u>MT III</u> |              |
| GLRaV2-MTR | YSNVRLG-DDDKILEGPRNIDICHYPLGACDHESAMMMVQVYDASLYEICGAMIKKSRITYLTMVTPGEFLDGRECVYMESLDCEIEV   |               |               |              |
| BYV-MTR    | ARGLVENLSREQLVEAQARVSVCPHTLGNCNVKSDVLIMVQVYDASLNEIASAMVLKESKVAYLTMVTPGELLDEREAFDALGCDVVV   |               |               |              |
|            |  | <u>MT IV</u>  |               |              |
| GLRaV2-MTR | DVHADVMYKFGSSCYSHKLSIIKDINTPYLTGGLFVSVMYEVVRMGVNYFKITKSEVSPSISCTKLLRYRRANSDDVVKVLPFRD      |               |               |              |
| BYV-MTR    | DTRRDMVQYKFGSSCYCHKLSNIKSIMLTPAFTFSGNLFSVMYENRMGVNYKITRSAYSPEIRGVKTLRYRRACTEVVQVLPFRD      |               |               |              |

c

|            |  |               |                |
|------------|--|---------------|----------------|
|            |  | <u>HEL I</u>  | <u>HEL Ia</u>  |
| GLRaV2-Hel | FVFTNSSVDILLYEAPPGGGKTTTLIDSFLKVFKKEVSTMLTANKSSQVEILKKVEKEVSNIECQKRKDKRSPKKSITYTIDAYLMHHR    |               |                |
| BYV-Hel    | FTFTNLSANVLLYEAPPGGGKTTTLIKVFCETFSK--VNSLILTANKSSREEILAKVNRIVLD-EGDTPQLQTRDR---ILTIDSYLMNNR  |               |                |
|            |  | <u>HEL II</u> | <u>HEL III</u> |
| GLRaV2-Hel | GCDADVLFIDECVMHAGSVLACIEFTRCHKVMIFGDSRQIHYIERNELDKCLYGDLDLDRFVLDQCRVYGNISYRCPWDVCAWLSTVYGNL  |               |                |
| BYV-Hel    | GLTCKVLYLDECVMHAGAAVACIEFTKCDASAILFGDSRQIRYGRCELDATAVLSDLNRFVDDDESRYGEVSYRCPWDVCAWLSTFYPKT   |               |                |
|            |  | <u>HEL V</u>  |                |
| GLRaV2-Hel | IATVKGESSEKSSMRINEINSVDDLVPDVGSTFLCMLQSEKLEISKHF---IRKGLTKLNVLTVHEAQGETYARVNLVRLKQFQEDDEPFKS |               |                |
| BYV-Hel    | VATTNLVSAGQSSMQVREIBSVDDVEYSSEFVYLTMLQSEKDLLKSFGKRSRSSVEKPTVLTVHEAQGETYRKVNLVRLTKFQEDDPPFRS  |               |                |
|            |  | <u>HEL VI</u> |                |
| GLRaV2-Hel | IRHITVALSRHTDSLTYNVLAARRGDATCDIAIQKAAELVNKFRVFPPTSFGGS                                       |               |                |
| BYV-Hel    | ENHITVALSRHVESLTYSVLSKRDDAIAQAIKAKQLVDAYRVYPTSFSGGS  |               |                |

d

|             |  |                |                 |                  |
|-------------|--|----------------|-----------------|------------------|
|             |  | <u>RdRP I</u>  | <u>RdRP II</u>  | <u>RdRP III</u>  |
| GLRaV2-RdRP | ICRFKLMVKRDAKVKLDSSCLTKHSAQAQIMFHRKSINAIFSPIFNEVKNRIMCCLKPNIKFFTEMNTRDFASVVSNNLGDDDVYHIGEV |                |                 |                  |
| BYV-RdRP    | ITTFKLMVKRDAKVKLDSSCLVKHPPAQIMFHRKAVNAIFSPCFDEFKNRIVITCTNSNIVFFTEMNNTLASIAKEMLGSEHVYNVGEI  |                |                 |                  |
|             |  | <u>RdRP IV</u> | <u>RdRP V</u>   |                  |
| GLRaV2-RdRP | DFSKYDKSQDAFVKAFEEVYKELGVDEELLAIMCGERLSIANITLDGQLSFTIENQRKSGASNTWIGNSLVTLGILSLYYDVRNFEALY  |                |                 |                  |
| BYV-RdRP    | DFSKFDKSQDAFIKSFERTLYSAFGFDELLDVVMQGEYTSNATLDGQLSFSVDNQRKSGASNTWIGNSIETLGILSMFYITNRFKALF   |                |                 |                  |
|             |  | <u>RdRP VI</u> | <u>RdRP VII</u> | <u>RdRP VIII</u> |
| GLRaV2-RdRP | ISGDDSLIFSRSEISNYADDICTDMGFETKFMSPVYPYFCSKFVVMCGHKTFFVDPYKLFVKLGAVKEDVSMDFLFETFTSFKDLTSDF  |                |                 |                  |
| BYV-RdRP    | VSGDDSLIFSESPIRNSADAMCTELGFETKFLTPSPVYPYFCSKFVMTGHDFVFPDPYKLLVKLGASKDEVDDEFLFEVFTSFRLTKDL  |                |                 |                  |
| GLRaV2-RdRP | NDERLIQKLAELVALKYEVQGTGNTTAL   |                |                 |                  |
| BYV-RdRP    | VDERVIELLTHLVHSHKYGYESGDTYAAL  |                |                 |                  |

FIGURES 3A, 3B, 3C, 3D

**a**

|           |  |
|-----------|--|
| GLRaV-2   | CAUGAUAAGCAGCGUGUU <u>UAGCG</u> UAGUUGGUCGAGGCGAUUCCGCGUAGA    |
| BYV       | CACGACCCGCGAGCGGGUU <u>UAGCT</u> CGAUUUGCUUGCAGGCGAUUCCUAAGAGG |
| BYSV      | CACGAUGAACAGCGCGUU <u>UAGCG</u> UAGUUGGUCGAGGCGAUUCCUAAAAGG    |
| CTV       | CACGAACCGCGUUGCGUU <u>UAGCG</u> UAGUAGGUCACAAGCAAUCCUCCAAGA    |
| Consensus | CA.GA.....CG.GUU..GC....U....UC.CA.GC.AU.CC....AG.             |

**b**

|           |   |   |   |   |   |   |          |   |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|----------|---|---|---|---|---|---|---|---|---|---|
| GLRaV-2   | H | D | K | Q | R | V | <u>S</u> | V | V | R | S | Q | A | I | P | R | R |
| BYV       | H | D | P | Q | R | V | <u>S</u> | S | I | R | S | Q | A | I | P | K | R |
| BYSV      | H | D | E | Q | R | V | <u>S</u> | V | V | R | S | Q | A | I | P | K | R |
| CTV       | H | E | P | A | R | V | <u>G</u> | V | V | R | S | Q | A | I | P | P | R |
| Consensus | H | . | . | . | R | V | .        | . | . | R | S | Q | A | I | P | . | R |

FIGURES 4A, 4B

GLRaV2-HSP70 A  
 BYV-HSP70 MVVFGLDGTTTFSTVCVYKGRVFSFKQNN SAYIPTYLFLSDSNHMTFGYEAESLMSNLKVKG SFYRDLKRWWGCDSSNLDAVLDRLKP  
 MVVFGLDGTTTFSSVCAYVGEELYLFKQORDSAYIPTVFLHSDTQEVAFGYDAEVL SNDLSVRGGFYRDLKRWIGCDEENYRDYLEKIKP  
 GLRaV2-HSP70 B  
 BYV-HSP70 HYSVRLVKIGSGLNETV SIGNFGGTVKSE AHL PGLIALFIKAVISCAEGAFAC TCTGVICSVPANYDSVQRNFTDQCVSLSGYQCVMIN  
 HYKIELLKVAQSSKSTVKLDCYSGIVPQNATL PGLIATFVKALISTASEAFKQCTGVICSVPANYNCLQRSFTESC VNLSGYPCVVMVN  
 GLRaV2-HSP70 C D  
 BYV-HSP70 EPSAAALSACNSIGKKSANLAVYDFGGGTFDVSI LSYRNNTFVVRASGGDLNLGGRD VDRAFLTHLFSLTSL EPDLITL DLSNLKESLSKT  
 EPSAAALSACSRIKGATSPVLVYDFGGGTFDVSVLSALNNTFVVRASGGDMNLGGRDIDKAFVEHLYNKAQLFVN YKIDISFLKESLSKK  
 GLRaV2-HSP70 E  
 BYV-HSP70 DAETVYTLRGVDGRKEDVRVNKNILTSVMLPYVNRILKILESTILKSYAKSMNESARVKCDLV LIGGSSYLPGLADVLTKHQSVDRILRVS  
 VSFLNFPVWSEQVRVDVLMNVSELA EVAAPFVERTIKIVKEVYEKCYSSMRLEPNV KAKLLMVGGSSYLPGLLSRLSSTIPFVDECLVLP  
 GLRaV2-HSP70 F G  
 BYV-HSP70 DPRAAVAVGCALYSSCLSGSGGLLLIDCAHTVAIADR SCHQLICAPAGAPIPFSGSMPLYLARVNKNSQREVAVFEGEYVKCPKNRKIC  
 DARA AVAGGCALYSACLRNDSPMLLVDCAAHNL SISKYCESIVCPAGSPIPTGTGVRTVNM TGSNASAVYSAALFEGDFVKCRINKRIF  
 GLRaV2-HSP70 H  
 BYV-HSP70 GANIRFFDIGVTGDSYAPVTIFYMDFSIS SVGAVSFVVRGPEGKQVSLTGTPAYNFSSVALGSR SVRELHISLNKVF LGLLHRKADRRI  
 FGDVVLGNVGVITGSATRIVPLTLEINVSSVGTISFSLVGPTGVKKLIGGNAAYDFSSYQLGERVWADLHKHNSDKV KLIHALTYQPFQK  
 GLRaV2-HSP70 LFTKDEAIRYADSI--DIADVLKEYKSYAASALPPDEDVELLLGKSVQKVLGRSRLEETPL.  
 BYV-HSP70 KLITDGDKALFLKRLTADYRREARKFSSYDDAVL---NSSELLLGRIIPKILGRSRVEKLD-V

FIGURE 5

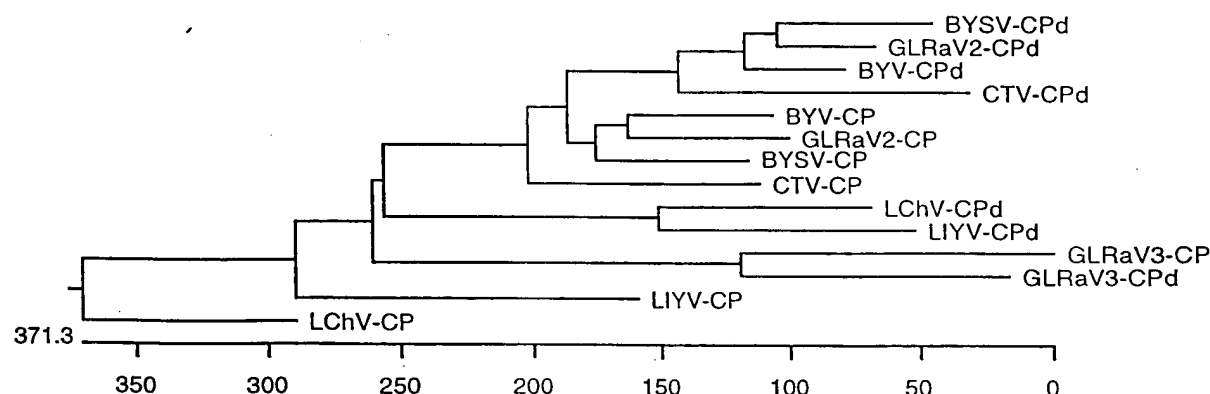
a

|            |  |
|------------|--|
| GLRaV2-CP  | M-----ELMSDSN-----L-----SNLVITD-----ASSLNGVDKLLSAEVEKMLVQK--GAPNE                            |
| GLRaV2-CPd | M-SSNTSVPVGGLEALETSGVVLITR-KEAVDKF-----FNEIKNENYSSVDSSRLSDSEVKEVLEKSSESFK--SELASTDE          |
| BYV-CP     | MGSAEP-----ISA-----IATFENVSLAD-----QTCLHGECDCIKLRKNFEELKLLK--GVPEd                           |
| BYV-CPd    | MLAPEARGDLTH-----FTENIRDAMEIF-----FNSYDLAEYSEVNPKNLRKETDELLGVIRERFK--SELVITDE                |
| BYSV-CP    | MAGND-----EGSDSSASQIMIAKD-----MIFAPPENFARAS-----ATCLNGENKKLLFEFESVRVKIQ--DVTES               |
| BYSV-CPd   | M-PPQGAELVEHNANKSSLEVFSSSEIREKVGKF-----FNNFDHKTQVNPNNLLNEDELREVLGKLLKTELK--TNLKALDE          |
| CTV-CP     | MDEETKKLKNKNKEIKEGDDVVAESSFSSVN-----LHIDP-TLITMND-----VRQLSTQQNAALNRDLFLITLKGGHENLPDK        |
| CTV-CPd    | M-AGYTVLPKTDKEMDPVSAAPVPGKYPDVLEKFNANRSDALIEGVISKLDINSTIYEDSTEKFTGEHLKYVMVIMDTIFLL--ENYKIKTE |
| Consensus  | M.....   |

|            |  |
|------------|--|
| GLRaV2-CP  | GI EWFGLLYALAAITTSKVRQADSDVIFSNSFGE-RNWWTEGD LKKVLDG CAPL TRFTNKLRIEGRIFT EAYVDFC IAYKHLEQL            |
| GLRaV2-CPd | HFVYHI IFFLIRCAKISTSEKVKY--VGSH--TYWDGKTYIVLDAWVENMMSLTKK YKRVNGLRAFC CACE DLYLIVA PIMSERFKT-          |
| BYV-CP     | NLGIALGLCLYSCATIGTSNKVMQ PISTFIKASFGGKELYLT HGEINS FLGS QKLL ECK PNLRCFCRIFQKDY ISLRKEYRGKLPPI         |
| BYV-CPd    | IFVKHLAFALIRANITTSVKVNY--VGAY--EYTI GKKFLVKDAWVFP LIKE CMKK FNK PNPVRIFC AIFEDAY IVIARS LPKLF IN-      |
| BYSV-CP    | GIPTILGMILYALATLS TSSKIDIEDKTP LVS AKIDAWN-VTI TYED IKNFVNS LITLLKNYKNKL RVFARIFE EEFY LRFV RQYKHILENI |
| BYSV-CPd   | DIYHHVAFFLIRASWSTSPKVEY--KGSY--SYSIDQRKYIVNDWIFPQVKI LASKHNK PNLRAFCASLEGMYLSVARLGPDAFGT-              |
| CTV-CP     | IKDFRIAMLYRLAVKSSSLQSDDATGITYTR--EGVEVLDL SKLWIDVVEN SKGI GNR TNALRWGRINDALYLAFCRQNRN-LSYG             |
| CTV-CPd    | LLIMHLTMIQKRLYTISTSIKTKFRDKGCI--SVYQGLRYKLLDKVVFPIISKFIDRET PNALRKFA CIFEELHLOMARLPDLYEN-              |
| Consensus  | .....S.....N..R.....   |

|            |   |
|------------|---|
| GLRaV2-CP  | NAAELGIPAE DSYLAADFL-GT'CPKLS ELQQSRKMFASMYALKTEGGVNT P-VSNLRQLGRR-EVM  |
| GLRaV2-CPd | KAVGMKGLFVGKEYLGA DFLSGT SKLMSIDHRAVSTIVA AKNVDRSAFTIGGERKIVSLYDLGR--Y  |
| BYV-CP     | ARANRHGLPAEDHYLAADFI-STSTELTDLQSR-LLARENAITHEFSSSE P-VTSLKQLGRGLGTGR    |
| BYV-CPd    | RTI GKRGI PSGYEFLGADFLITATSVCLNDHEKAIVLQASRAA IDRAVSSSDGKIVSLFDLGRLL--S |
| BYSV-CP    | ARANKHGIPADYSYLAADFV-QT SNLLKEHEQAV-LL EGRNAATASSGTIRES-AVNLKYLK---GSSK |
| BYSV-CPd   | RSVGRGAPSGSEYLGADFLITSTCPLMSIDHRAVALSASRNALIRSAASQIDKKMVS L YDFGKVYNT   |
| CTV-CP     | GRPIDAGIPAGHYLCADFL--TGAGLTDL-CAVYIQAQEQLIKRGADDVV-VINVRQLGKF--NTR      |
| CTV-CPd    | KRTTRAGTPHLKGYSADFLSGSLPGYSEHERGIILRASESMLARRQGYEEATELINLRDLGK--YL      |
| Consensus  | .....G.P.....L.ADF.....G.....   |

b



FIGURES 6A, 6B

FIGURE 7

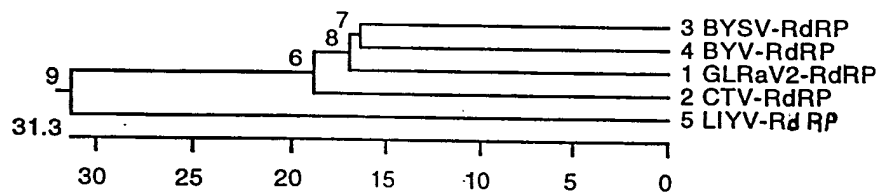


FIGURE 8

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GLRaV2-HSp90 MS-----NYSWESLFKKFYGEADWKKYLSRSIAAHSSEIKTLPDIRLYGGRVVKSEFESALP  
 BYV-HSP90 MTTRFSTPANYYWGELFRFFGGQEWKNLMSEAAVSRRPYSS--DFRFS DGVLRSKTFGESTG  
 BYSV-HSP90 MSRR-PTFAGYSWGSLSFKRHYGEPEWKSYLETSMKYKPLKSE--SITFYDGSSLTSAELRPARS  
 CTV-HSP90 MSSH-----HVWGSLSFRKFYGEAIWKEYLSESTRNFDERNVSL-DHTLSSGVVVRQSLNAPQ  
 Consensus M.....W..LF....G...WK.....G.....

GLRaV2-HSp90 NSFEQE--LGLFILSEREVGWS-KLCGITVEEAAYDLTNPKAYKFTAETCSPDVKGEQKYSMED  
 BYV-HSP90 ESFVREFSL-LLTFPKTYE--VCKLCGVAMELALNGMNLSDYN-VSEFNIVDVKTIVGCKFNIQS  
 BYSV-HSP90 GT--AEYEIALLI FSDSITKWSEKL-ERSIYRGLNQINNHSIYA-ETELEVTDVKTIGCKFTISA  
 CTV-HSP90 GTFENE--LALLYNSVIVINDFVE-LTGMPKLSMTGIEDRV---PDELISVDPHEVGCRFTLND  
 Consensus .....E....L.....L.....E....D....G.....

GLRaV2-HSp90 VMNFMRLSNLDVNDKMLTEQCWSLSNSCGELINPDDKGRFVALTFKDRDTADDTGAANVECRVGD  
 BYV-HSP90 VTEFVKKINGNVAEPLSVEHCWSLSNSCGELINPKDKTRFVSLIFKGD LAESTDEAIVSSSYLD  
 BYSV-HSP90 VESFM----GGRASAAQVEHCWSLSNSCGELINPNDTARFIQLVFKDKAVTEQAQ-VNTSGSVSD  
 CTV-HSP90 VESYLSRGEDFADLA AVEHSWCLSNNSCGRLSSTEIDAYKTLVFT-KNF--DSNVSGVTTKLET  
 Consensus V.....E...W..LSNSCG..L.....L.F.....

GLRaV2-HSp90 YLVYAMSLFEQRTQKSQSGNISLYEKYCEYIRTYLGSTDLFFTPADRIPLLTGILYDFCKEYNVF  
 BYV-HSP90 YLSHCLNLYETCNLSSNSGKSLYDEFLKHVIDYLENSDLEYRSPSDNPLVAGILYDMCFEYNTL  
 BYSV-HSP90 YLVYCLQLYDNSKKKSNA GRTQLMESYVSFIRDFQHS DLYRSPLDNPLLTGVL YDLCEIHNVL  
 CTV-HSP90 YLSYCLISLYKKHCKMDD-DYFNLI LPMFNCMLKVLASLGLFYEKHADNPLLTGMLIEFCLENKVY  
 Consensus YL.....L.....L.....L.....PL..G.L...

GLRaV2-HSp90 YSSYKRNVDNFRFFFLANYMPLISDVVFQWVKPAPDV---RLLFELSAAELTLEVPTLSLIDSQ  
 BYV-HSP90 KSTYLKNIESFDCFLSLYLPLLEVFVSMNWERPAPDV---RLLFELDAAELLLKVPTINMHDST  
 BYSV-HSP90 RGSYLKNLDNFRFLFKQTYLPMIDDIFDYSWELYPDE---RLLFPIDPYEIIKEVPTMSVIDAN  
 CTV-HSP90 YSTFKVNLNDNVRFLFKSKVLPVVLTV---WDISEPDDPMDERVLIPFDPTDFVLDLPKLNIDHTM  
 Consensus .....N.....F.....P.....W....PD....R.L.....P....D..

GLRaV2-HSp90 VVVGHILRYVESYTS DPAIDALEDKLEAILKSSNPRLSTAQLWVGFFCYGFEFRTAQSRVVQRPG  
 BYV-HSP90 FLYKNKLRYLESYFEDDSNELIKVKVDSL LTRDNPELKL AQRWVG FHCYYGVFRTAQTRKVKRDA  
 BYSV-HSP90 VVLSNKLVLDSYLENNSILALEKKIISILCRDNEGIDEGALWAAFFCYGTYRTARQRVVKRPD  
 CTV-HSP90 VVVGNQIRQLEYVVESDALDDL S QHVDLRLAADNPDLRVGLRWAGMFVYGVYRCVVDRAVERPT  
 Consensus .....L...N.....W....YYG..R....R.V.R..

GLRaV2-HSp90 VYKTPDSV-----GGFEINMKDVEKFFDKLQREL PNVSLRRQFNGARAHEAFKIFKNGNISFRP  
 BYV-HSP90 EYKLPPAL-----GEFVINMSGVEEFFEELQKMP SISVRRRF CGSLSHEAFSVFKRFGVGFPF  
 BYSV-HSP90 TYELDGIF-----SKPIV-MSGVELFFDELQKRVPDVSLRRRFNGAKAGEAITVFKKLGISFPF  
 CTV-HSP90 LFRLPQKLLSQDDGESCSLHMGSVEALFNLVQKVNKDINVRQFMGRHSEVALRLYRNLGLRFPF  
 Consensus .....M..VE..F...Q.....RR.F.G....A.....F.P

GLRaV2-HSp90 ISRLNVPREFWYLNIDYFRHANRSGLTEEEILILNNISVDVRKLC AERACN-----TLPSAKR  
 BYV-HSP90 ITRLNVPVKYSYLNVDYRHRV KRVGLTQDEL TILSNIEFDVAEMCCEREVALQAR--RAQRGEKP  
 BYSV-HSP90 ITRLNAPSKYSYLNIDYFKQANS LGLTEPEKIILCNIAKD VDMCAQRISSVKA-----KP  
 CTV-HSP90 ISSVRLPAHHGYLYVDFYKRVPDGAVTAD ELESRLQRSSVDVMCKDRVSITP PPFNRLRGGSSR  
 Consensus I....P....YL..D.....T..E...L.....V...C..R.....

GLRaV2-HSp90 FSKNHKSNIQSSRQERRIKDPLVVLKDTLYEFQHKRAGWGS RSTRDLGSRADHAKGSG.  
 BYV-HSP90 FQGWKGTKNEISPHARSSIRVKKNDSLLN ILWKDVGARSQRRNLNPLHRK-----H  
 BYSV-HSP90 IAQRNG--EAINSAKIRTLPTNTLVRALEKCLLNQAPS WNTTLTNLR  
 CTV-HSP90 TFRGRGARGASSRHSRDRVATSGFNLPYHGRLY-----STS  
 Consensus .....

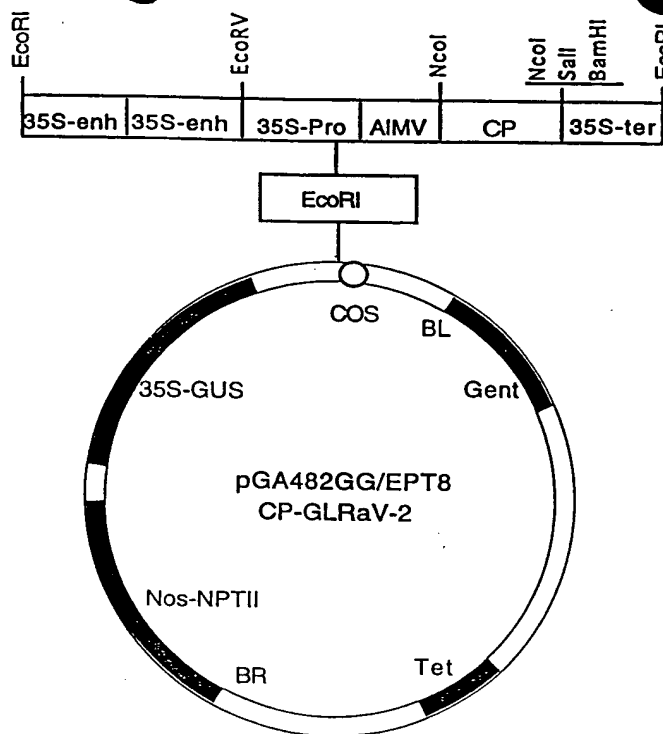
FIGURE 9

|               |   |     |
|---------------|---|-----|
| GLRaV2 3'-UTR | TTAAGCTGTTACTGAGTAATTAAACCAACAAGTGTGGTGTAAATGTGTATGTTGATGTAGA | 135 |
| BYS 3'-UTR    | TTAAGTCGTCACAGAGTGACAACGGCACCAAGTGGTGTAGTGCGTATGTAAATTACGAA   | 95  |
| BYSV 3'-UTR   | TTAAGCCCTCACAGAGCGAGAACGTTGGCAAGAGCCAATTAGTGTGTGTGTAGTATAATTA | 181 |
| CTV 3'-UTR    | CTAAGCTCCACAGAGTGGTAGTGGTCTCAAGTGAGGCTTAACGTATGCGTGAACCAAAGA  | 208 |
| Consensus     | .TAAG.....AC.GAG.....CAAG.G....T.....A                        |     |

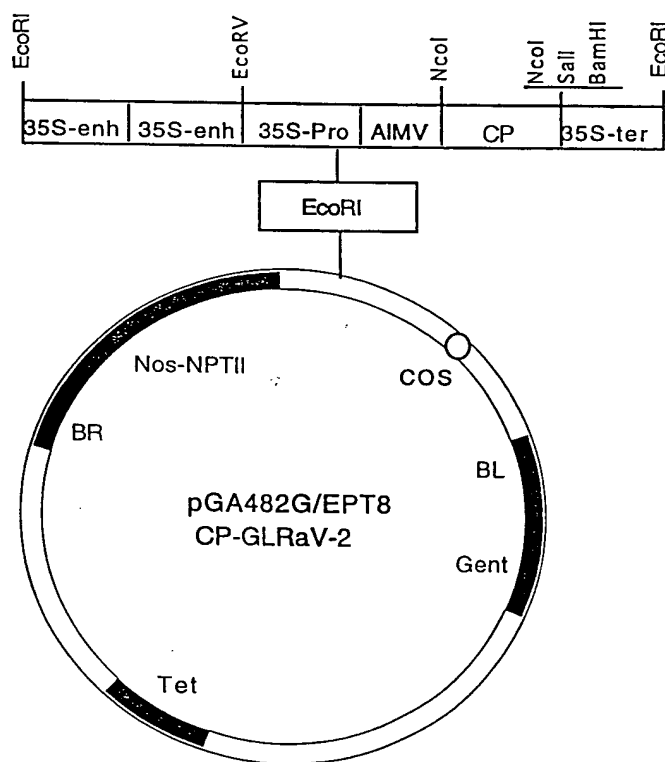
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FIGURE 10

A



B



FIGURES 11A, 11B

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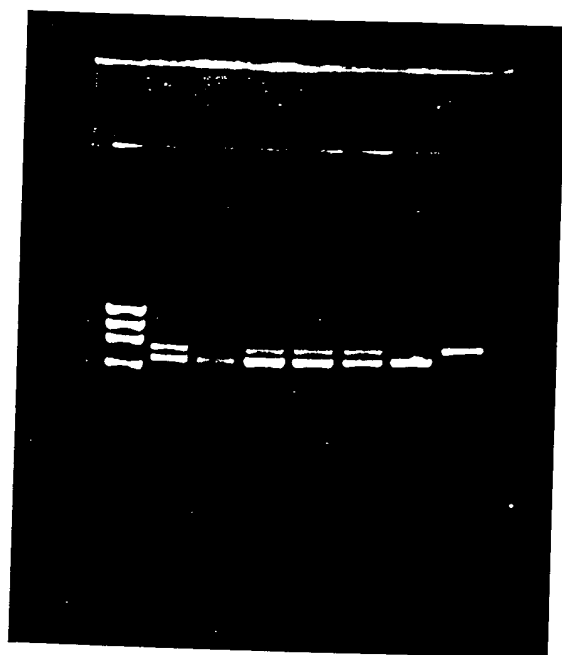


FIGURE 12

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FIGURE 13

DATE: 9/24/90

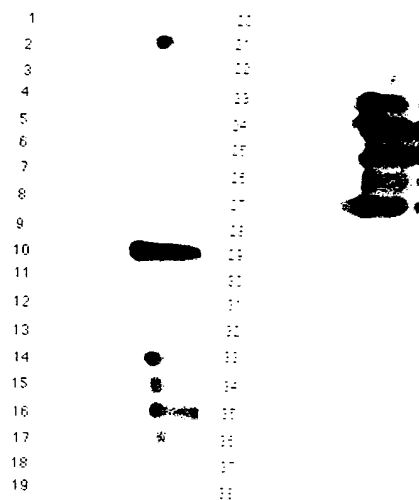


FIGURE 14